L	Hits	Search Text	DB	Time stamp
Number 10	121	369/47.45-47.46.ccls.	USPAT	2003/12/03
10	121			10:41
11	43	369/47.45-47.46.ccls. and pll	USPAT	2003/12/03 10:42
12	44	369/47.45-47.46.ccls. and (pll (data near frequency))	USPAT	2003/12/03 10:42
13	44	369/47.45-47.46.ccls. and (pll (data near frequency) (read near (clk clock)))	USPAT	2003/12/03 10:43
14	40	369/47.45-47.46.ccls. and (pll (data near	USPAT	2003/12/03
		<pre>frequency) (read near (clk clock))) and (((disc disk) near (defect scratch)) error)</pre>		10:44
15	31	369/47.45-47.46.ccls. and (pll (data near frequency) (read near (clk clock))) and	USPAT	2003/12/03 10:45
		(((disc disk) near (defect scratch))		1
16	15	error) and ((rotat\$4 spindle) near speed) 369/47.45-47.46.ccls. and (pll (data near	USPAT	2003/12/03
		frequency) (read near (clk clock))) and		11:37
		((((disc disk) near (defect scratch)) error) same ((rotat\$4 spindle) near		
17	0	speed))	USPAT	2003/12/03
1 /		frequency) (read near (clk clock))) and		11:06
		((((disc disk) near (defect scratch)) error) same ((rotat\$4 spindle) near		
		speed)) and (pll same ("not" near locked))		
19	0	l	USPAT	2003/12/03
20	0	locked)) 369/\$7.ccls. and (pll and ("not" near	USPAT	11:07 2003/12/03
		locked))	USPAT	11:07 2003/12/03
21	0			11:07
22	0	"not" near locked	USPAT	2003/12/03 11:07
23	0	369/47.45-47.46.ccls. and ((pll (data near frequency) (read near (clk clock)))	USPAT	2003/12/03 11:26
		near (absent absence missing lack\$3		11.20
		<pre>unlock\$3 ("not" adj locked) error problem)) and ((((disc disk) near (defect</pre>		
		scratch)) error) same ((rotat\$4 spindle)		
24	2		USPAT	2003/12/03
	!	near frequency) (read near (clk clock))) near (absent absence missing lack\$3		11:26
		unlock\$3 ("not" with locked) error		
25	13		USPAT	2003/12/03
		<pre>frequency) (read near (clk clock))) and ((((disc disk) near (defect scratch))</pre>		11:41
		error) same ((rotat\$4 spindle) near		
		<pre>speed)) and ((rotat\$3 spindle) same (switch select\$3))</pre>		
26	25	369/47.45-47.46.ccls. and (((disc disk)	USPAT	2003/12/03
		near (defect scratch)) error) same ((rotat\$4 spindle) near speed)) and		14.66
		((rotat\$3 spindle) same (switch select\$3))		
27	13	369/47.45-47.46.ccls. and ((current	USPAT	2003/12/03
		present instantaneous) with (rotat\$4 spindle) with speed)		12:25
28	0	369/47.45-47.46.ccls. and ((present instantaneous) with (rotat\$4 spindle)	USPAT	2003/12/03
		with speed)	HCDAM	
30	14	369/47.45-47.46.ccls. and ((sav\$3 stor\$3 register\$3 keep\$3) with (rotat\$4 spindle)	USPAT	2003/12/03 12:25
29	10	with speed)	USPAT	2003/12/03
23		register\$3) with (rotat\$4 spindle) with	USIAI	12:26
		speed)	<u> </u>	

Search History 12/3/03 12:29:52 PM

-	695	@pd<20000711 and disc and control and	USPAT	2003/12/03
		rotation and speed and servo and (pick-up or "pick up") and frequency		10:41
_	256	<pre>@pd<20000711 and disc and control and</pre>	USPAT	2003/06/17
		rotation and speed and servo and (pick-up		17:13
	:	or "pick up") and frequency and		
	,	369/\$.ccls.	USPAT	2003/06/18
-	1	("5051976").PN.	USPAI	11:12
_	86	<pre>@pd<20000711 and disc and control and</pre>	USPAT	2003/06/17
		rotation and speed and servo and (pick-up		17:15
		or "pick up") and frequency and		
	93	369/\$.ccls. and simple @pd<20000711 and disc and control and	USPAT	2003/06/17
_	93	rotation and speed and servo and (pick-up	OSTAI	17:16
		or "pick up") and frequency and		
		369/\$.ccls. and (PLL or "phase locked		
	م ا	loop")	USPAT	2003/06/18
-	95	<pre>@pd<20000711 and disc and control and rotation and speed and servo and (pick-up</pre>	USPAI	08:47
		or "pick up") and frequency and		
		369/\$.ccls. and ("phase lock loop" or PLL		
		or phase\$1lock\$1loop)	USPAT	2003/06/18
-	24	<pre>@pd<20000711 and disc and control and rotation and speed and servo and (pick-up</pre>	USPAT	11:17
		or "pick up") and frequency and		
		369/\$.ccls. and ("phase lock loop" or PLL		
		or phase\$1lock\$1loop) and cav and clv		2002/06/10
-	19	mahr-peter.in.	USPAT; US-PGPUB	2003/06/18 11:15
_	229	<pre>@pd<20000711 and (disc same control speed</pre>	USPAT	2003/06/18
		same rotation same speed same cav same		11:22
		clv) and servo and pll and (pick\$lup or		
	248	"pick up") and (rotation\$2 adj speed) @pd<20000711 and (disc same control speed	USPAT	2003/06/18
	240	samerotation same speed same cav same	001111	11:24
1		clv) and servo and pll and (pick\$1up or		
		"pick up") and (rotation\$2 adj speed)	USPAT	2003/06/18
-	20	<pre>@pd<20000711 and (disc same control same speed same rotation same speed same cav</pre>	USPAI	11:25
	1	same clv) and servo and pll and (pick\$1up		*****
		or "pick up") and (rotation\$2 adj speed)		
-	25	<pre>@pd<20000711 and disc and control and</pre>	USPAT	2003/06/27
+		rotation and speed and servo and (pick-up or "pick up") and frequency and cav and		09:02
	ŀ	clv and pll		
-	36	@pd<20000711 and disc and control and	USPAT	2003/06/30
		servo and (pick\$1up or "pick up") and cav		08:11
		and clv and pll and (frequency same (rotation\$2 adj speed)) and (frequency		
		same data)		
-	45	<pre>@pd<20000711 and disc and control and</pre>	USPAT	2003/06/27
		servo and (pick\$lup or "pick up") and cav		09:55
		and clv and (frequency same (rotation\$2 adj speed)) and (frequency same data)		
-	57	<pre>@pd<20000711 and disc and control and</pre>	USPAT	2003/06/27
		servo and (pick\$1up or "pick up") and cav		09:55
		and clv and (frequency same (rotation\$2		
_	3580	adj speed)) @pd<20020711 and (369/47.1-47.48.ccls. or	USPAT	2003/06/30
_	3380	360/71.ccls. or 360/72.1-72.3.ccls. or	552711	08:24
		360/73.01-73.03.ccls.)		
-	986		USPAT	2003/06/30
		360/71.ccls. or 360/72.1-72.3.ccls. or 360/73.01-73.03.ccls.) and (rotation\$2		08:26
		same speed) and disc		
-	157	@pd<20020711 and (369/47.1-47.48.ccls. or	USPAT	2003/06/30
		360/71.ccls. or 360/72.1-72.3.ccls. or		08:28
		360/73.01-73.03.ccls.) and (rotation\$2 same speed) and disc and (cav same clv)		
L	<u></u>	pood, and also and toda same off,		<u> </u>

	00	@pd<20020711 and (369/47.1-47.48.ccls. or	USPAT	2003/06/30
-	99	360/71.ccls. or 360/72.1-72.3.ccls. or 360/73.01-73.03.ccls.) and (rotation\$2 same speed) and disc and (cav same clv)	OSEKI	09:25
		and pll		
-	47	<pre>@pd<20020711 and (369/47.1-47.48.ccls. or 360/71.ccls. or 360/72.1-72.3.ccls. or 360/73.01-73.03.ccls.) and (rotation\$2</pre>	USPAT	2003/06/30 09:54
		same speed) and disc and (cav same clv)		
-	44	and pll and (voltage same compar\$5) @pd<20010711 and (369/47.1-47.48.ccls. or 360/71.ccls. or 360/72.1-72.3.ccls. or	USPAT	2003/07/01 09:00
		360/73.01-73.03.ccls.) and (rotation\$2 same speed) and disc and (cav same clv) and pll and (voltage same compar\$5)		
-	16	<pre>@pd<20010711 and (369/47.1-47.48.ccls. or 360/71.ccls. or 360/72.1-72.3.ccls. or 360/73.01-73.03.ccls.) and (rotation\$2</pre>	USPAT	2003/06/30 11:02
		same speed) and disc and (cav same clv) and pll and (voltage same compar\$5) and		
		<pre>(voltage same (produce\$1 or generat\$3 or conver\$4) same (correspond\$4 or proportion\$5 or relat\$4))</pre>		
-	21	@pd<20010711 and (369/47.1-47.48.ccls. or 360/71.ccls. or 360/72.1-72.3.ccls. or	USPAT	2003/06/30 12:00
		360/73.01-73.03.ccls.) and (rotation\$2 same speed) and disc and (cav same clv) and (voltage same compar\$5) and (voltage	:	
		same (produce\$1 or generat\$3 or conver\$4) same (correspond\$4 or proportion\$5 or	!	
	10	relat\$4))	USPAT	2003/06/30
-	13	<pre>@pd<20010711 and (369/47.1-47.48.ccls. or 360/71.ccls. or 360/72.1-72.3.ccls. or 360/73.01-73.03.ccls.) and (voltage same</pre>	USPAI	13:54
		<pre>(produce\$1 or generat\$3 or conver\$4) same (correspond\$4 or proportion\$5 or relat\$4)</pre>		
-	31	same frequency same "reference voltage") @pd<20010711 and (369/47.1-47.48.ccls. or 360/71.ccls. or 360/72.1-72.3.ccls. or	USPAT	2003/06/30 13:55
		360/73.01-73.03.ccls.) and (voltage same (produce\$1 or generat\$3 or conver\$4) same		
		(correspond\$4 or proportion\$5 or relat\$4)		
-	170	same pll) @pd<20020711 and (369/47.1-47.48.ccls. or 360/71.ccls. or 360/72.1-72.3.ccls. or	USPAT	2003/07/01 08:40
		360/73.01-73.03.ccls.) and (rotation\$2 same speed) and disc and cav and clv		
-	12	@pd<20010711 and (369/47.1-47.48.ccls. or 360/71.ccls. or 360/72.1-72.3.ccls. or	USPAT	2003/07/01 09:07
		360/73.01-73.03.ccls.) and ((f\$1v or (frequency adj2 voltage)) adj converter) and ((voltage adj (source or generat\$3))		
		and ((voltage ad) (source or generat\$3)) near (reference or determined or base))		
_	591	(369/\$7 360/\$7).ccls. and (cav same clv)	USPAT	2003/12/01 16:47
-	165	(369/\$7 360/\$7).ccls. and (cav near clv)	USPAT	2003/12/01 16:59
-	43	(369/\$7 360/\$7).ccls. and (cav near clv) and clv and cav and ((speed spindle) near servo)	USPAT	2003/12/01 17:16
-	2	("5642342" "5745458").PN.	USPAT	2003/12/01 17:14
-	15	(369/\$7 360/\$7).ccls. and (cav near clv) and clv and cav and ((speed spindle) near	USPAT	2003/12/01 17:19
		<pre>servo) and ((frequency near (generat\$3 detect\$3)) (rotat\$5 near (speed velocity) near (detect\$3 generat\$3)))</pre>		
i	i	\	L	i

				0000/10/01
-	15	(369/\$7 360/\$7).ccls. and (cav near clv)	USPAT	2003/12/01
		and clv and cav and ((speed spindle) near		17:19
		servo) and ((frequency near (generat\$3		
		detect\$3 sens\$3)) (rotat\$5 near (speed		
		velocity) near (detect\$3 generat\$3		
		sens\$3)))	USPAT	2003/12/02
-	37	369/47.39.ccls.	USPAT	09:59
	1.45	260/47 29 47 49 gala and //fraguongy	USPAT	2003/12/02
-	145	369/47.38-47.48.ccls. and ((frequency near (generator detect\$3)) ((rotati\$3	USPAI	15:01
		motion) near (sens\$3 detect\$3)))		13.01
	47	369/47.38-47.48.ccls. and ((frequency	USPAT	2003/12/02
-	4 /	near (generator detect\$3)) ((rotati\$3	051711	10:13
		motion) near (sens\$3 detect\$3))) and (cav		10.120
		same clv)		
_	418	369/47.38-47.48.ccls.	USPAT	2003/12/02
				10:01
	56	369/47.38-47.48.ccls. and ((frequency	USPAT	2003/12/02
		near (generator detect\$3)) ((rotati\$4		11:01
		motion) near (sens\$3 detect\$3		
		frequency))) and (cav same clv)		
-	8	("4660189" "4757489" "4789975"	USPAT	2003/12/02
		"5161142" "5249170" "5265081"		10:50
		"5278814" "5315571").PN.	II CDAM	2003/12/02
-	45	((frequency near (generator detect\$3))	USPAT	11:02
		((rotati\$4 motion) near (sens\$3 detect\$3		11:02
		frequency))) and (cav same clv same		
	7	(switch select\$3)) (clv same cav) and (pll same error same	USPAT	2003/12/02
-	<i>'</i>	(rotation near speed))	OSIMI	14:44
_	9	(clv same cav) and (pll same error same	USPAT	2003/12/02
·]	<pre>(rotati\$2 near (speed signal)))</pre>		14:48
_	0	(clv same cav) and ((pll near (data	USPAT	2003/12/02
		read)) same (phase near lock\$3 near		14:53
j		error) same ((instantaneous current) near		i l
		rotati\$2 near speed))	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2002/12/02
-	0	(clv same cav) and ((pll near (data	USPAT	2003/12/02 14:53
		read)) same (phase near lock) same ((instantaneous current) near rotati\$2		14:55
		near speed))		
1_	۱ ،	(clv same cav) and ((pll near (data	USPAT	2003/12/02
		read)) same ((instantaneous current) near		14:54
		rotati\$2 near speed near error))		
_	0		USPAT	2003/12/02
		read)) same ((sav\$3 register\$3 stor\$3)		14:55
		near rotati\$2 near speed near error))		/
-	0	((pll near (data read)) same ((sav\$3	USPAT	2003/12/02
		register\$3 stor\$3) near rotati\$2 near		14:55
		speed near error))	USPAT	2003/12/02
-	1	((maintain\$3 keep\$3) near rotati\$2 near speed near error)	OSEAL	14:56
_	356	1 +	USPAT	2003/12/02
		lock)		14:57
_	1	l '	USPAT	2003/12/02
		lock) same ((rotati\$2 near speed) rpm)		14:59
-	14		USPAT	2003/12/02
		lock) same (speed rpm)		14:59
-	2		USPAT	2003/12/02
		condition) near phase near lock) same		15:00
		(speed rpm)	USPAT	2003/12/02
_	0	369/\$7.ccls. and ((until error condition) near phase near lock) same (speed rpm)	1 22547	15:00
_	76		USPAT	2003/12/02
	/ *	near (generator detect\$3)) ((rotati\$3		15:04
	Į.	motion) near (sens\$3 detect\$3))) and pll		
-	1123	data near frequency near signal	USPAT	2003/12/02
]			15:04
-	45	, , ,	USPAT	2003/12/02
		near signal)	II.C.D.T.M.	15:05
-	12	369/\$7.ccls. and (data near frequency	USPAT	2003/12/02
		near signal) and pll	<u> </u>	15:30

-	20	369/\$7.ccls. and (unreadable near (disc	USPAT	2003/12/02
		disk))		15:31
_	1586	369/\$7.ccls. and (rotation near speed)	USPAT	2003/12/02
				15:32
_	15	369/\$7.ccls. and ((rotation near speed)	USPAT	2003/12/02
		same ((unreadable defect error) near		15:46
		(disc disk)))		
_	1	369/\$7.ccls. and ((rotation near speed)	USPAT	2003/12/02
	_	same ((unreadable defect error) near		16:39
		(disc disk))) and ((instantaneous current		23165
		instant present) near speed)		
_	40	369/\$7.ccls. and ((spindle (dis\$1 near	USPAT	2003/12/02
	1	motor)) near error) and ((speed error)	002112	16:41
		near control)		10
_	36	369/\$7.ccls. and ((spindle (dis\$1 near	USPAT	2003/12/02
	30	motor)) near error) and ((speed error)	001111	16:47
		near control) and (pll (data near		10.17
		frequency))		
_	4	369/\$7.ccls. and ((spindle (dis\$1 near	USPAT	2003/12/02
_]	motor)) near error) and ((speed near	001111	16:49
		control) same error) and (pll (data near		10.15
		frequency))		1
_	31	369/47.44.ccls.	USPAT	2003/12/02
-]	309/47.44.0013.	051711	16:50
_	1	369/47.44.ccls. and (pll and (data near	USPAT	2003/12/02
_	_	frequency))	OSIMI	16:50
_	12	1 =	USPAT	2003/12/02
_	12	frequency))	001111	16:53
	0	369/47.44.ccls. and ((pll (data near	USPAT	2003/12/02
_	١	frequency)) near (error defect))	OSIAI	16:53
	22		USPAT	2003/12/02
_	22	frequency)) near (error defect))	OBIAI	16:59
_	5		USPAT	2003/12/02
_	,	frequency)) near (error defect)) same	OBINI	16:59
ļ		(spindle rotat\$4))		10.00
l _	113		USPAT	2003/12/02
_	113	305/41.33.0013.	JULIA	17:11
_	٥ ا	369/47.55.ccls. and (cal same clv)	USPAT	2003/12/02
-		JUJ/47.JJ.CCI3. and (Cal Jame CIV)	JULAI	17:11
	I	l .	i	1 - 1 +